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DERWENT-ACC-NO: 1966-40424F

DERWENT-WEEK: 196800

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TITLE: Anti-tumour substance from alkaline extn of grasses

PATENT-ASSIGNEE:

ASSIGNEE

KAKEN CHEM CO LTD

CODE

KAKE

PRIORITY-DATA: 1966JP-0015562 (March 14, 1966)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES
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MAIN-IPC

JP 69023346 B

ABSTRACTED-PUB-NO: JP69023346B

BASIC-ABSTRACT:

Process for the extrn. of an anti-tumour substance (I) from grasses (II) e.g maize, sugar cane, barley, wheat, bamboo, where (II) are treated with a cold 1-4N alkaline soln. e.g KOH, NaOH, Ca(OH)2, Ba(OH)2, NH4OH etc. at 10-30 deg.C (pref. 20 deg.C) for > 24 hrs. The extract is filtered, solid material is re-extd. with the alk. soln. and the combined filtrates are treated with an aqs. sol. organic solvent e.g acetone, lower alcohol to ppt (I). This is dissolved in H2O and re-ppted. with an inorganic salt e.g (NH4)2SO4, Na2SO4, MgSO4, ZnSO4, (Al)2(SO4)3. (I) is then further purified by ion exchange chromatography or by dialysis. The product is an amorphous yellow powder.

(I) has anti-tumour activity.

TITLE-TERMS: ANTI TUMOUR SUBSTANCE ALKALINE EXTRACT GRASS

DERWENT-CLASS: B00

CPI-CODES: B04-A07F; B12-G07;

CHEMICAL-CODES:

Chemical Indexing M0 *01*
Fragmentation Code
V400 V406 N160 P631 P633 P634 M423 M900